

COOPER LIGHTING - METALUX®

DESCRIPTION

The DIM Series is an energy efficient family of industrials that feature premium performance and durability. The industrial series incorporates heavy duty, embossed, reflectors that precisely direct and effectively control light. The versatile DIM Series can be installed using various mounting methods and numerous options and accessories are available.

The DIM Series can be utilized in simple task and area lighting to the most demanding industrial applications.

Catalog #		Type
Project		
Comments		Date
Prepared by		

SPECIFICATION FEATURES

A ... Construction

Channel is code gauge prime cold rolled steel. Die formed with deep V-grooves for tong hanger. Die formed channel connector assures straight rows and continuity of ground through set screws. Lampholder mounting brackets are easily inserted with snap-in action.

B ... Electrical*

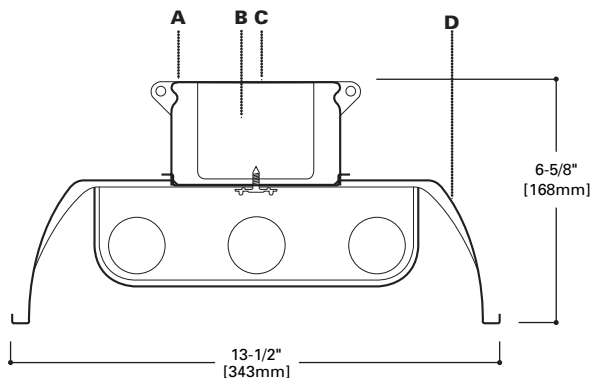
Ballast are CBM/ETL Class "P" and positively secured by mounting bolts. Metal clad lampholders are spring loaded for turret safety. UL/CUL listed. Suitable for damp locations.

C ... Finish

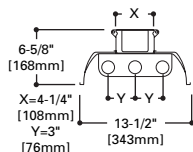
Multistage iron phosphate pretreatment ensures maximum bonding and rust inhibitor. Lighting grade, baked white enamel finish.

D ... Reflectors

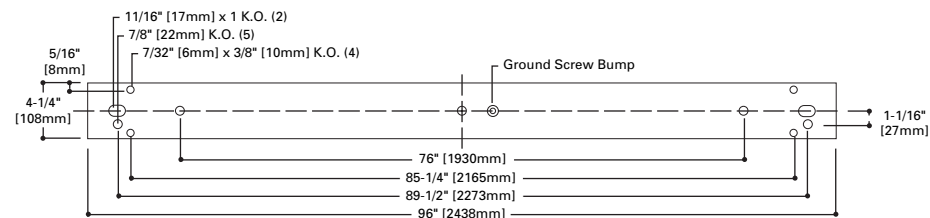
Painted after fabrication. Die formed code gauge steel. Deep draw full width ribs formed with one press stroke. Side flanges lend strength with upward turn. Easily cleaned. Baked white enamel 13-1/2" width. Four foot sections. Reflectors secured by positive retaining screw. Reflector aligners provided. Standard with 20% uplight (DIM). Closed top reflector (DCIM).



LAMP CONFIGURATIONS



MOUNTING DATA



DIM
396HO
396T8HO

8" INDUSTRIAL
3 LAMP
HIGH OUTPUT, 800 MA
Heavy Duty Industrial

ENERGY DATA

Input Watts:
ES Ballast & STD Lamps
396HO (372)

STD Ballast & STD Lamps
396HO (402)

Luminaire Efficacy Rating
LER = FI-55
Catalog Number: DIM-396HO

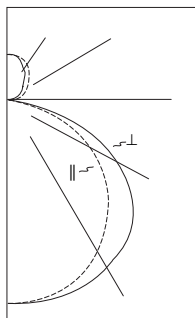
Yearly Cost of 1000 lumens,
3000 hrs at .08 KWH = \$4.36

*Reference the lamp/ballast data in the
Technical Section for specific lamp/ballast
requirements.

LAMPS CONTAIN MERCURY. DISPOSE ACCORDING
TO LOCAL, STATE OR FEDERAL LAWS

LINEAR DISCONNECT
Safe and convenient means of
disconnecting power



**DIM-396HO**

Energy Saving Ballast

F96T12/CW/HO/WM

Lamps

8000 Lumens

Spacing criterion:

(H) 1.3 x mounting

height, (L) 1.4 x

mounting height

Efficiency 87.4%

Test Report:

DIM396HO.IES

LER = FI-55

Yearly Cost of 1000

lumens, 3000 hrs at

.08 KWH = \$4.36

ORDERING INFORMATION**Coefficients of Utilization**

		Effective floor cavity reflectance								20%							
		80%				70%				50%				30%			
rc		70	50	30	10	70	50	30	10	50	30	10		50	30	10	0%
RW		70	50	30	10	70	50	30	10	50	30	10		50	30	10	0
RCR																	
0	1	2	3	4	5	6	7	8	9	10							
101	92	83	75	69	66	55	54	50	48	43	90	90	90	83	83	83	74
101	87	76	66	60	56	45	44	40	37	32	78	75	73	72	70	68	61
101	84	70	59	53	49	43	42	38	34	29	68	63	59	63	59	56	50
101	80	65	53	45	40	33	32	28	25	20	59	54	49	55	50	47	42
101	79	63	50	42	37	30	28	24	21	16	52	43	41	49	44	39	35
101	73	57	44	36	31	25	23	19	16		47	40	35	43	38	34	30
101	67	50	40	32	27	21	19	15	12		42	35	31	39	34	29	26
101	61	45	35	27	22	17	15	11	9		38	32	27	35	30	26	23
101	55	40	30	22	18	13	11	8	6		34	28	24	32	27	23	20
101	50	35	25	18	14	10	8	6	4		30	24	21	30	24	21	18
101	45	30	20	14	10	7	5	4	3		27	22	19	26	21	18	16

Zonal Lumen Summary

Zone	Lumens	%Lamp	%Fixture
0-30	4303	17.9	20.5
0-40	7221	30.1	34.4
0-60	13537	56.4	64.6
0-90	17747	73.9	84.6
90-180	3219	13.4	15.4
0-180	20967	87.4	100.0

Candela

Angle	Along H	45°	Across L
0	5322	5322	5322
10	5288	5277	5335
20	5034	5150	5265
30	4619	4869	5042
40	4057	4453	4734
50	3325	3911	4195
60	2517	3114	3264
70	1563	2071	1955
80	616	720	485
90	21	70	71
100	96	195	176
110	300	405	452
120	524	311	533
130	733	516	406
140	919	770	630
150	1065	910	883
160	1170	1150	1046
170	1226	1222	1242
180	1243	1243	1243

SAMPLE NUMBER: DIM-396HO-120V-EB81-U

Tandem
Blank=4' Length
8T=8' Length

Series
DIM=
Apertured
Reflector
DCIM=
Closed Top
Reflector

Lamp Spacing
Blank=Standard Spacing
N=Narrow Spacing for 2
Lamp Only (10% uplight)

**Number
of Lamps**
3 Lamps
(Not included)

Wattage (Length)
96HO=95/110WT12 (96") HO
96HO=86WT8 (96") HO

Voltage ⁽¹⁾
120V=120 Volt
277V=277 Volt
347V=347 Volt

Options
GL=Single Element Fuse
GM=Double Element Fuse
Emergency=EM Installed

Ballast Type ⁽¹⁾

EB8=T8 Electronic Instant Start.
Total Harmonic Distortion < 10%

No. of Ballast
1, 2 or 3

EB8 /PLUS=T8 Electronic Instant Start.
High Ballast Factor >1.13. Total
Harmonic Distortion < 20%

No. of
Ballast

ER8=T8 Electronic Program Rapid Start.
Total Harmonic Distortion < 10%

No. of Ballast
1, 2 or 3

EB2=T12 Electronic Rapid Start.

No. of Ballast
1 or 2

Options

RIF1=Radio Interference
Suppressor
6-3/18 S-JT-C&P-515P=Cord
& Plug (120V)
6-3/18 S-JT-C&P-
L715P=Cord & Plug (277V)
PI/CPI=Plug-In Option
TILW=Tandem In-Line
Wiring Option (Consult
TILW Option Catalog Page)
POX=Porlux Finish
(See options & accessories)

Packaging
U=Unit Pack
4B=4 Bulk

NOTES: ⁽¹⁾Products also available in non-US voltages and frequencies for international markets.

Specifications & dimensions subject to change without notice. Consult your Cooper Lighting Representative for availability and ordering information.

ACCESSORIES

(Order Separately)

A1B/Spacer-U=Spacer 1-1/2" to 2-1/2" from ceiling
(Use 2 per fixture)

ATG-4=Tong Hanger (Use 2 per fixture)

SCF=Fixed Stem Set (Specify Length)

SCS=Swivel Stem Set (Specify Length)

SCA=Adjustable 48" Stem Set

AYC-Chain/Set-U=Chain Hanger Set (Use 1 set per fixture)

WG/DI-4FT-U=Wire Guard

WGG/DI-4FT-U=Wire Gym Guard

MECL-DI/SL-48-U=Metal Egg Crate Louver

MECL-DI/SL-96-U=Metal Egg Crate Louver

DI2=Long Connector

CEP=Closed End Plate

(Additional Accessories Available. See Options and Accessories Section).

SHIPPING INFORMATION

Catalog No.	Wt.
DIM-396T8HO	40 lbs.